

Reenter Well

Type of work: Drill New Well DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES Minerals & Mining Program - Oil & Gas Section 2050 West Main, Suite #1, Rapid City, SD 57702-2493 Telephone: 605-394-2229, FAX: 605-394-5317

RECEIVED

MAR 15 2004

DEPT OF ENVIRONMENT & NATURAL RESOURCES - RCRO

Injection

APPLICATION FOR PERMIT TO DRILL

VDrill Directional Well

Type of well:

Oil Well

Gas Well

Other				1 Other Horizontal			
	ress of Operator: RATION COMPA	NY 1580 LINCOLN	ST. SUITE 850 DENVER, CO			Telephone 303-861-2468	
	ress of Surface Own	er: 63, Box 26, Ludlow,	SD 57755				
Name and Add	ress of Drilling Con	tractor and Rig Numb	oer:				
NABORS DRI	LLING USA, WILL	ISTON, ND AND C	&H WELL	SERVICE, GILLETTE,	WY.		
		Sec, Twp, Rge, Count G CO. 1150' FNL &			and latitude and longitude (if av	vailable):	
		m hole location from LEG BHL - 1320'			BHL 1320' FNL & 1320' FEL	Sec. 7	
	ng (Drilling) Unit Area – 3327.38 ac				tion of Spacing Unit ng Springs Red River Unit		
Well Name and Number		Elevation	Field and	Pool, or Wildcat	r Wildcat Proposed Depth and Formati		
EHSRRU C-8H		2915.5 GRD Un-graded	LOCK CONTRACTORS	RDING SPRINGS RED SE lcg 11,635' MD=8875' T R UNIT - RED RIVER Fm SW lcg 12,130' MD=8875' T			
Size of Hole	Size of Casing	Weight per Foot	Depth	Cementing Program (a	(amount, type, additives) Dept		
1) 12 ¼ 2) 7 7/8 3)	8 5/8 5 1/2	24 15.5, 17, 23	1500 9000	500 sx Premium w/3% salt, ½#/sk polyflakes 750 sx Premium & Litepoz, two stage		Surf. 4200'	
Proposed World Drill a vertical csg. window from Drill 4 ½" horo 8748'-55' w/ at TD of 12,130'ld drill the vertical	k). Use additional powell to approx. 9000 om 8758'-65' w/azin izontal lateral to TD zimuth of 267 deg. MD=8875'TVD at Ed hole and fresh wat	age(s) if appropriate. O'. DST the Red Rivenuth of 93 deg. Drill of 11635'MD=8875' Drill short radius curve all the state of 1320' FNL & 13 er/polymer fluid to dr	er B zone ar short radius 'TVD and B we and land 20' FEL Se ill the horiz	nd run logs at TD. Run at curve and land in the Ro BHL 1320' F M & 500' I in Red Rive, B at 8939'N c. 7. See attached direction	Including Estimated Date of Stand cement 5 1/2" csg. Move in sed River B zone at 8934'MD=8/EL- of Sec. 8. Mill accord with MD=8875'TVD. Drill 4 ½" horional drilling plan. Oil base much fluids will be contained in a line perations in mid-April:	smaller rig. Mill 875' TVD. low from zontal lateral to will be usee to	
I hereby certify that the foregoing as to any work or oper Signature Robert C. Arcenlany Robert C. And Signature			rceneaux Operation		SOUTH DAKOTA Z SOUTH DAKOTA Z ATEMETOLOGICAL SURVEY OF STERN FIELD OFFICE	on. 11 - 04 Date	
	1	POD (OFFICE US	PE ONLY		· ~~ }	
Approved By:	Fred N	Steece	OFFICE OF	1126000000	0il & Gas Superviso	r	
Permit No	1705	API No40	063 205		ssued: 03/26/2004		
Conditions, if a	any, on attached pag	e.					
	-						